

Claims

1. (Currently amended) A method for determining the biological activity of a pegylated protein-IFN which can modulate gene transcription, comprising the steps of

- a) contacting a host with said pegylated protein-IFN;
- b) determining the transcriptional gene response of the genes of SEQ ID NOS: 1-29 of the host; and
- c) quantitating the determined transcriptional gene response induced by said compound-IFN.

2. (Previously presented) The method of claim 1, wherein the transcriptional gene response is determined by a DNA array technology.

3. (Original) The method of claim 2, wherein the DNA array technology is an oligonucleotide array technology.

4. (Canceled).

5. (Canceled).

6. (Currently amended) The method of claim 1, wherein the pegylated protein is a specific isolated isoform of a pegylated protein-IFN.

7. (Canceled).

8. (Canceled).

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9. (Canceled).

10. (Canceled).

11. (Canceled).

12. (Canceled).

13. (Canceled).